User:

Plan Name: **Good Government WV 3**

Plan Type: **Congress**

# Measures of Compactness Report

Number of cut edges: 481

| | Reock | Schwartzberg | Alternate Schwartzberg | Polsby-Popper | Population Polygon | Area/Convex Hull | Population Circle | Ehrenburg | Perimeter | Length-Width |
|---|---|---|---|---|---|---|---|---|---|---|
| Sum | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 2,024.09 | N/A |
| Min | 0.27 | 2.00 | 2.37 | 0.12 | 0.88 | 0.50 | 0.58 | 0.36 | N/A | 60.45 |
| Max | 0.34 | 2.51 | 2.89 | 0.18 | 0.95 | 0.70 | 0.87 | 0.44 | N/A | 84.63 |
| Mean | 0.31 | 2.26 | 2.63 | 0.15 | 0.92 | 0.60 | 0.73 | 0.40 | N/A | 72.54 |
| Std. Dev. | 0.05 | 0.36 | 0.37 | 0.04 | 0.05 | 0.14 | 0.21 | 0.06 | N/A | 17.10 |

| District | Reock | Schwartzberg | Alternate Schwartzberg | Polsby-Popper | Population Polygon | Area/Convex Hull | Population Circle | Ehrenburg | Perimeter | Length-Width |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.27 | 2.51 | 2.89 | 0.12 | 0.95 | 0.50 | 0.87 | 0.36 | 1,013.74 | 60.45 |
| 2 | 0.34 | 2.00 | 2.37 | 0.18 | 0.88 | 0.70 | 0.58 | 0.44 | 1,010.35 | 84.63 |

**Maptitude** For Redistricting

## Measures of Compactness Summary

| | |
|---|---|
| **Reock** | The measure is always between 0 and 1, with 1 being the most compact. |
| **Schwartzberg** | The measure is usually greater than or equal to 1, with 1 being the most compact. |
| **Alternate Schwartzberg** | This measure is always greater than or equal to 1, with 1 being the most compact. |
| **Polsby-Popper** | The measure is always between 0 and 1, with 1 being the most compact. |
| **Population Polygon** | The measure is always between 0 and 1, with 1 being the most compact. |
| **Area / Convex Hull** | The measure is always between 0 and 1, with 1 being the most compact. |
| **Population Circle** | The measure is always between 0 and 1, with 1 being the most compact. |
| **Ehrenburg** | The measure is always between 0 and 1, with 1 being the most compact. |
| **Perimeter** | The Perimeter test computes one number for the whole plan. If you are comparing several plans, the plan with the smallest total perimeter is the most compact. |
| **Length-Width** | A lower number indicates better length-width compactness. |
| **Cut Edges** | A smaller number implies a more compact plan. The measure should only be used to compare plans defined on the same base layer. |